

PROJECT LICENSED PROFESSIONAL CERTIFICATES

Greg Banks (Apr 25, 2023 14:37 PDT) Greg Banks Apr 25, 2023			
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
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NOTES:

THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

FILE NAME	K:\454306\Projects\XL6475-US	395_MP18.75-MP18.97_PaintingS2\CAD\ContractPlans_Ait\	\015-Certificati	lon\XL6475_PS_C	.dgn					Plot 1
TIME	8:30:22 AM			REGION STA	FED.AID PROJ.NO.				US 395	PLAN REF NO
DATE	4/20/2023			10 WA	en					CT1
PLOTTED BY	GunderC								PIONEER MEMORIAL BRIDGE -	
DESIGNED BY	C. GUNDERT			JOB NUMBE				Washington State	BRIDGE PAINTING STAGE 2	SHEET
ENTERED BY	C. GUNDERT			23Y00)			3		2
CHECKED BY	P. COOPER			CONTRACT N	D. LOCATION NO.			Department of Transportation		OF OF
PROJ. ENGR.	A. SANGUINO					DATE	DATE	-	CERTIFICATION SHEET	23 SHEETS
REGIONAL ADM	C KEIFENHEIM	REVISION	DATE	RY		DE STAMP POY	DE STAMP BOY			SILLIS

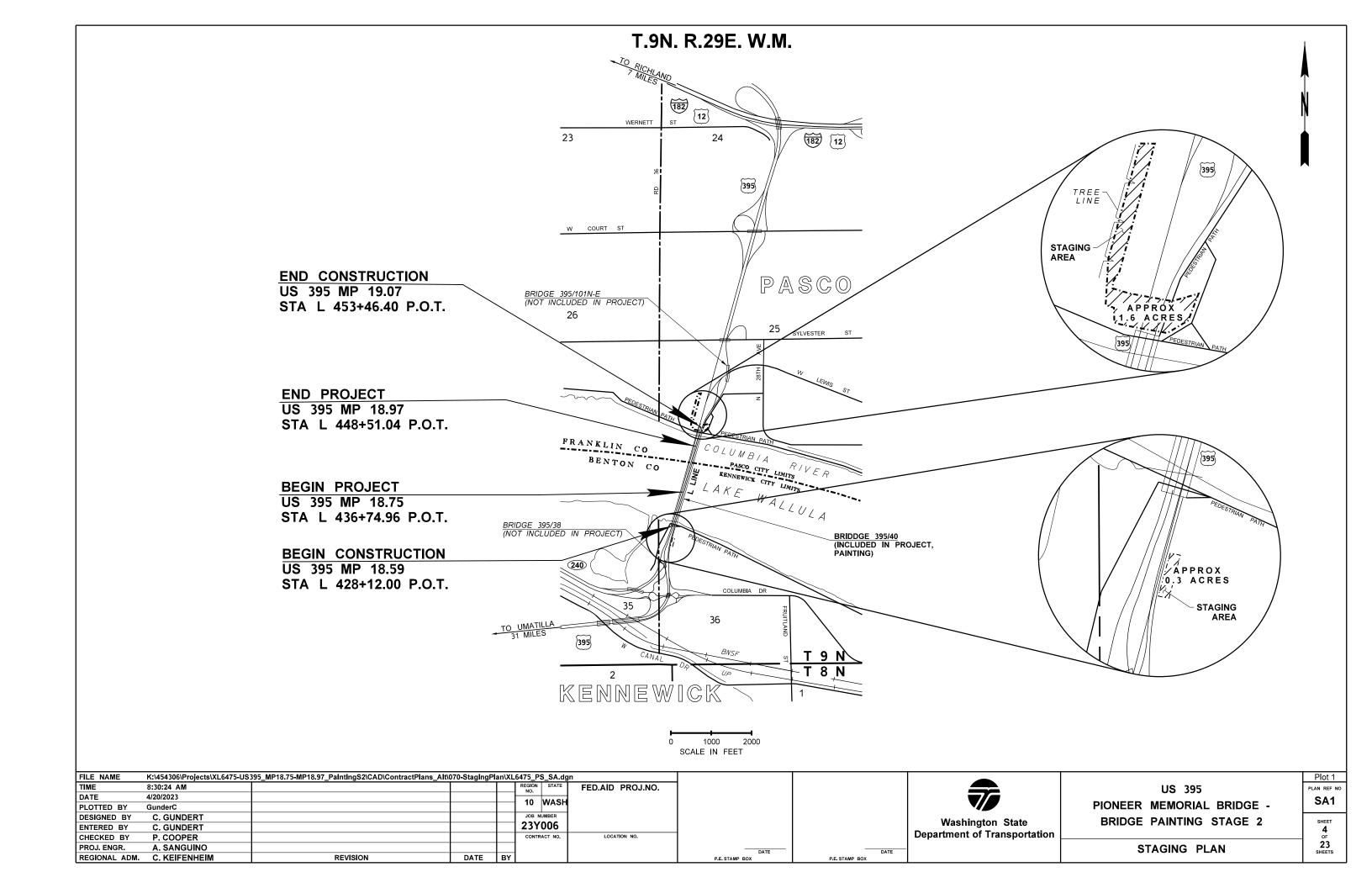
4/24/2023

SUMMARY OF QUANTITIES

		SUB-TOTAL	SUB-TOTAL						1	T	1		1		1	1	1	1	1	1	
		*	**				GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5										
ITEM	TOTAL	SECTION		STD.		1754	PIONEER	PIONEER	UTILITY	UTILITY	THIRD										
NO	QUANTITY	I-07.2(1) OF	I-07.2(2) OF	ITEM NO.	UNIT	ITEM	MEMORIAL BR PAINT ST	MEMORIAL BR PAINT ST	WORK SR 395	WORK SR 395	PARTY DAMAGES										
	Q0/11/11/1	STANDARD	STANDARD					2 FRANKLIN	BENTON	FRANKLIN	DAIVIAGES										
		SPECS	SPECS																		
						PREPARATION														Ī	
1	LUMP SUM	1	LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	L.S.	L.S.	L.S.			1				1		1	1	
		1						1					1				1			1	
						STRUCTURE							1				1			1	
2	1500.00		1500.00		EACH	REPLACE VACANT/DAMAGED RIVET WITH HS BOLT	1,062.00	438.00												1	
3	LUMP SUM		LUMP SUM	4468	L.S.	CLEANING AND PAINTING - BRIDGE NO. 395/40	L.S.	L.S.					1						<u> </u>	1	
4	5000.00		5000.00	4487	L.F.	SEALING AND CAULKING PACK RUST	3,540.00	1,460.00					1				1		1	1	
5	LUMP SUM		LUMP SUM	4469	L.S.	CONTAINMENT OF ABRASIVES	L.S.	L.S.													
6	500000.00		500000.00	4470	DOL	TESTING AND DISPOSAL OF CONTAINMENT WASTE	354,000.00	146,000.00					1				1		1	1	
								1					1				1		1	1	
						EROSION CONTROL AND ROADSIDE PLANTING		1					1				1			1	
7	700.00		700.00	6403	DAY	ESC LEAD	496.00	204.00									1			1	
8	25000.00		25000.00	6490	DOL	EROSION/WATER POLLUTION CONTROL	17,700.00	7,300.00									1			- 1	
								1									1			1	
						TRAFFIC														l	
9	67200.00		67200.00	6993	HR	PORTABLE CHANGEABLE MESSAGE SIGN	40,320.00	26,880.00									1				
10	LUMP SUM		LUMP SUM	6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	L.S.												I	
11	75000.00		75000.00	7572	DOL	WORK ZONE SAFETY CONTINGENCY	53,100.00	21,900.00					1				1			1	
12	5600.00		5600.00		HR	RADAR SPEED DISPLAY SIGN	4,581.00	1,019.00					1						<u> </u>	1	
13	80.00	1	80.00	6982	S.F.	CONSTRUCTION SIGNS CLASS A	32.00	48.00					1				1		<u> </u>	1	
		1	1					1					1				1		<u> </u>	1	
						OTHER ITEMS											1			1	
14	10000.00		10000.00	9004	DOL	PROJECT PARTNERING	7,080.00	2,920.00									1			1	
15	LUMP SUM					TYPE C PROGRESS SCHEDULE	L.S.	L.S.									1			1	
16	50.00		50.00	7000	EACH	SCHEDULE UPDATE	35.00	15.00					1				1			1	
17	1200.00					TRAINING	850.00	350.00					1				1				
18	2000.00	1	2000.00	7480	DOL	ROADSIDE CLEANUP	1,416.00	584.00					1				1		1	1	
19	5.00		5.00	7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE					5.00		1								
20	-1.00		-1.00	7728	DOL	MINOR CHANGE	-1.00														
21	LUMP SUM		LUMP SUM	7736	L.S.	SPCC PLAN	L.S.	L.S.													
22	LUMP SUM		LUMP SUM	1941	L.S.	BIRD PROTECTION AND MONITORING	L.S.	L.S.													
23	256.00		256.00		EACH	REMOVING AND REINSTALLING UTILITY STRAP			160.00	96.00			1		<u> </u>						
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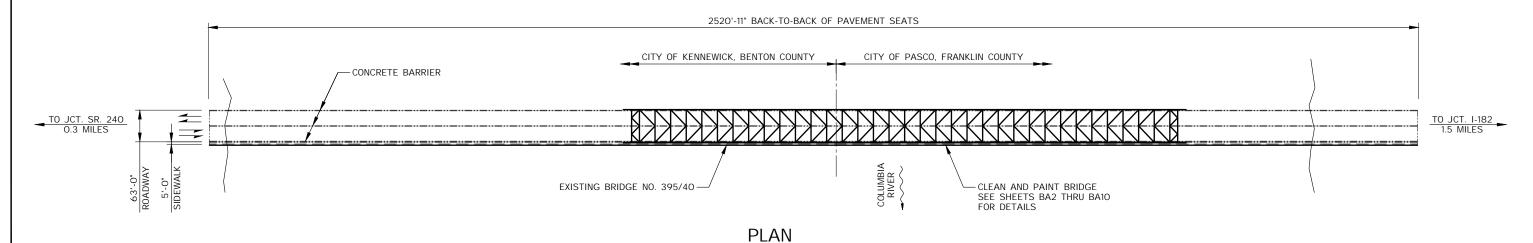
GROUP	GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
LEGEND	1	395	033210	**	STATE, FEDERAL NHPP-MVA
	2	395	110410	**	STATE, FEDERAL NHPP-MVA
	3	395	033210	**	CHARTER UTB1538
	4	395	110410	**	CHARTER UTB1538
	5	395	033210	**	STATE THIRD PARTY

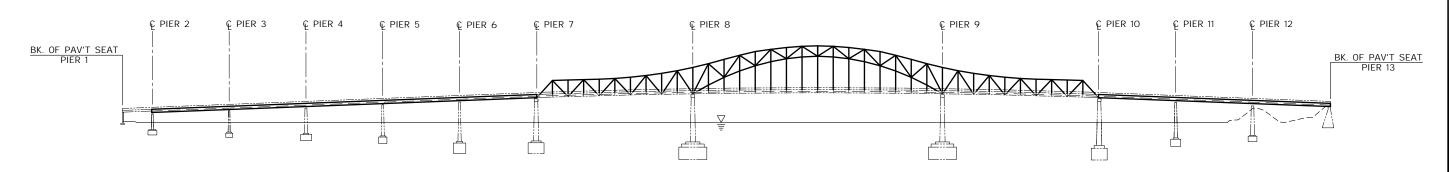
		REGION	STATE	FEDERAL AID PROJECT. NO.			004
		40	10/0	NHPP-0395(122)		US 395	SQ1
		7 10	WA		Washington State	PIONEER MEMORIAL BRIDGE -	SHEET
			UMBER		Department of Transportation	BRIDGE PAINTING STAGE 2	3
		23Y	006/2		Department of Transportation		OF
		CONTR	RACT NO			SUMMARY OF QUANTITIES	23
DATE	REVISION B	Y 000	0000				SHEETS



GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, DATED 2023.
- 2. THE DIMENSIONS SHOWN ON THE PLANS ARE BASED ON ORIGINAL DESIGN DRAWINGS. ALL RELEVANT DETAILS AND DIMENSIONS SHALL BE FIELD MEASURED AND VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PROCEEDING WITH CONSTRUCTION.
- 3. EXISTING VERTICAL CLEARANCE SHALL BE MAINTAINED OVER LIVE TRAFFIC LANES.
- 4. PAINTING SHALL BE COMPLETED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 6-07 AND THE PROJECT SPECIAL PROVISIONS.
- 5. ALL STEEL SURFACES REQUIRE FULL PAINT REMOVAL PRIOR TO APPLYING NEW PAINT SYSTEM. SEE STANDARD SPECIFICATION SECTION 6-07.3(10)E FOR SURFACE PREPARATION.
- 6. EXISTING NAVIGATION AND CLEARANCE LIGHTS MUST BE MAINTAINED AND REMAIN VISIBLE TO WATERCRAFT AND AIRCRAFT THROUGHOUT THE DURATION OF THE PAINTING PROJECT.





ELEVATION

BRIDGE PAINTING

: -: I									
NO.	Bridge Design Engr.	Leland, A.				REGION NO	STATE	FED AID PROJ NO	
JOB	Supervisor	Banks, G.							1
	Designed By	Wu, J.				10	WASH		
	Checked By	Murphy, S.							
	Detailed By	Childress, L.					UMBER		
SR	Bridge Projects Engi	. Rosa, M.				23Y	006		
02	Prelim. Plan By								
	Architect/Specialist		DATE	REVISION	BY				

BRIDGE AND **STRUCTURES OFFICE**

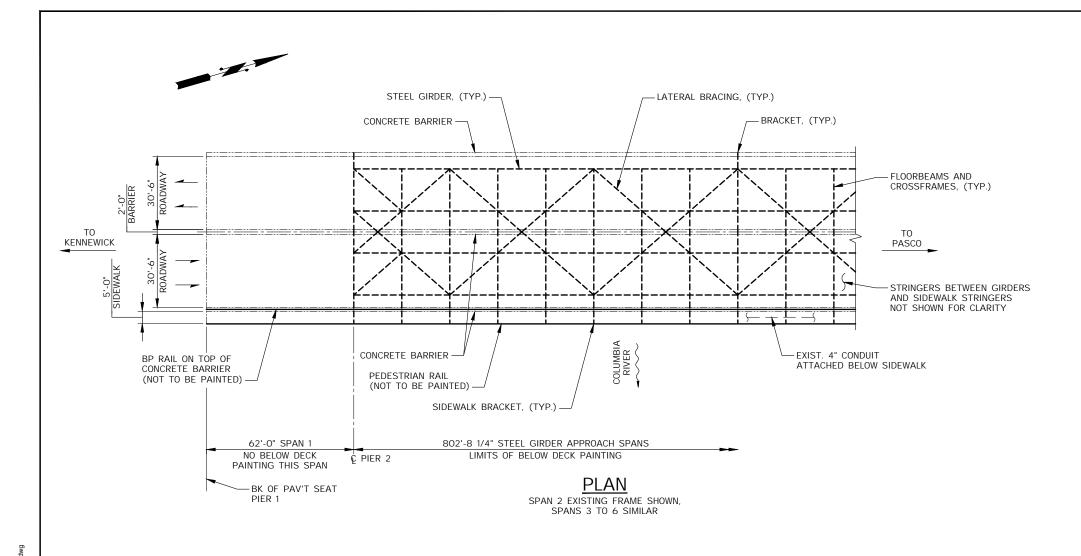


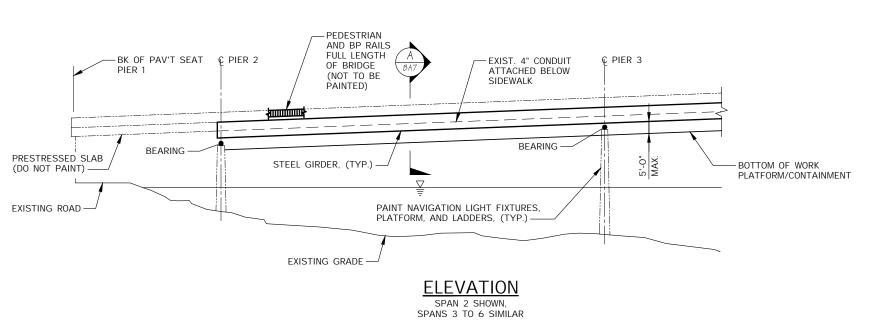


US 395 PIONEER MEMORIAL BRIDGE -**BRIDGE PAINTING STAGE 2**

BA1 BRIDGE NO. 395/40 LAYOUT

23





STATE

WASH

10

23Y006

NOTES

- 1. SEE GENERAL NOTES ON BRIDGE SHEET BA1.
- 2. SEE RIVET EVALUATION AND REPLACEMENT NOTES ON BRIDGE SHEET BA10.
- 3. ALL BELOW DECK STEEL SHALL BE CLEANED AND PAINTED. PAINT SHALL BE GRAY (COLOR 26622).

LEGEND

- NOT PAINTED

- PAINTED

FED AID PROJ NO **BRIDGE** AND **STRUCTURES OFFICE**



į.		gton State ment of Transportation
<u> </u>	///	WSP USA Inc. 33301 9th Avenue South Suite 300 Federal Way, WA 98003-2600 TEL: (206) 431-2300 FAX: (206) 431-2250

US 395 PIONEER MEMORIAL BRIDGE -BRIDGE PAINTING STAGE 2

BRIDGE NO. 395/40

PLAN AND ELEVATION - SPANS 1 TO 6 23

BA2

Bridge Design Engr. Leland, A.

Bridge Projects Engr. Rosa, M.

Banks, G.

Childress, L.

DATE

REVISION

Wu. J.

Supervisor

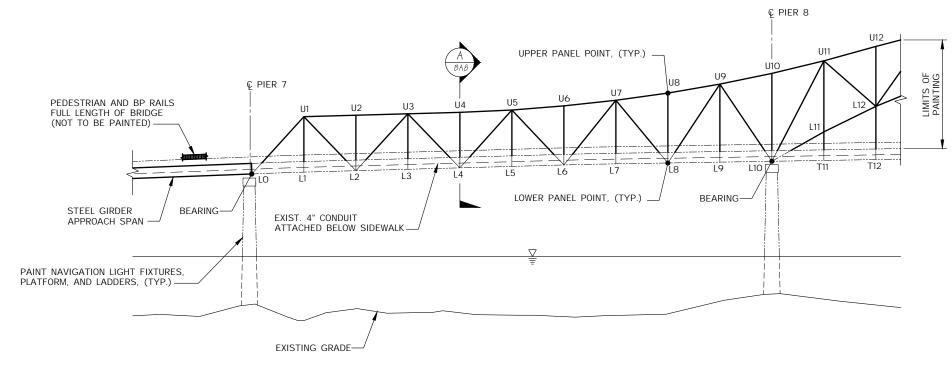
Designed By

Detailed By

Prelim. Plan By

Architect/Specialist

<u>PLAN</u>



NOTES

- 1. SEE GENERAL NOTES ON BRIDGE SHEET BA1.
- 2. SEE RIVET EVALUATION AND REPLACEMENT NOTES ON BRIDGE SHEET BA10.
- 3. ALL ABOVE DECK STEEL SHALL BE CLEANED AND PAINTED EXCEPT EXPANSION JOINTS, SIGNS AND LIGHT STANDARDS. PAINT SHALL BE SKY BLUE (COLOR 25240).

LEGEND

--- NOT PAINTED

— PAINTED

ELEVATION

~									
N0.	Bridge Design Engr.	Leland, A.				REGION NO	STATE	FED AID PROJ NO	
JOB	Supervisor	Banks, G.							l
1	Designed By	Wu, J.				10	WASH		l
	Checked By	Murphy, S.							İ
	Detailed By	Childress, L.					JMBER		ı
SR	Bridge Projects Engr	. Rosa, M.				23Y	006		ı
02	Prelim. Plan By								ı
	Architect/Specialist		DATE	REVISION	BY				i

BRIDGE AND STRUCTURES OFFICE



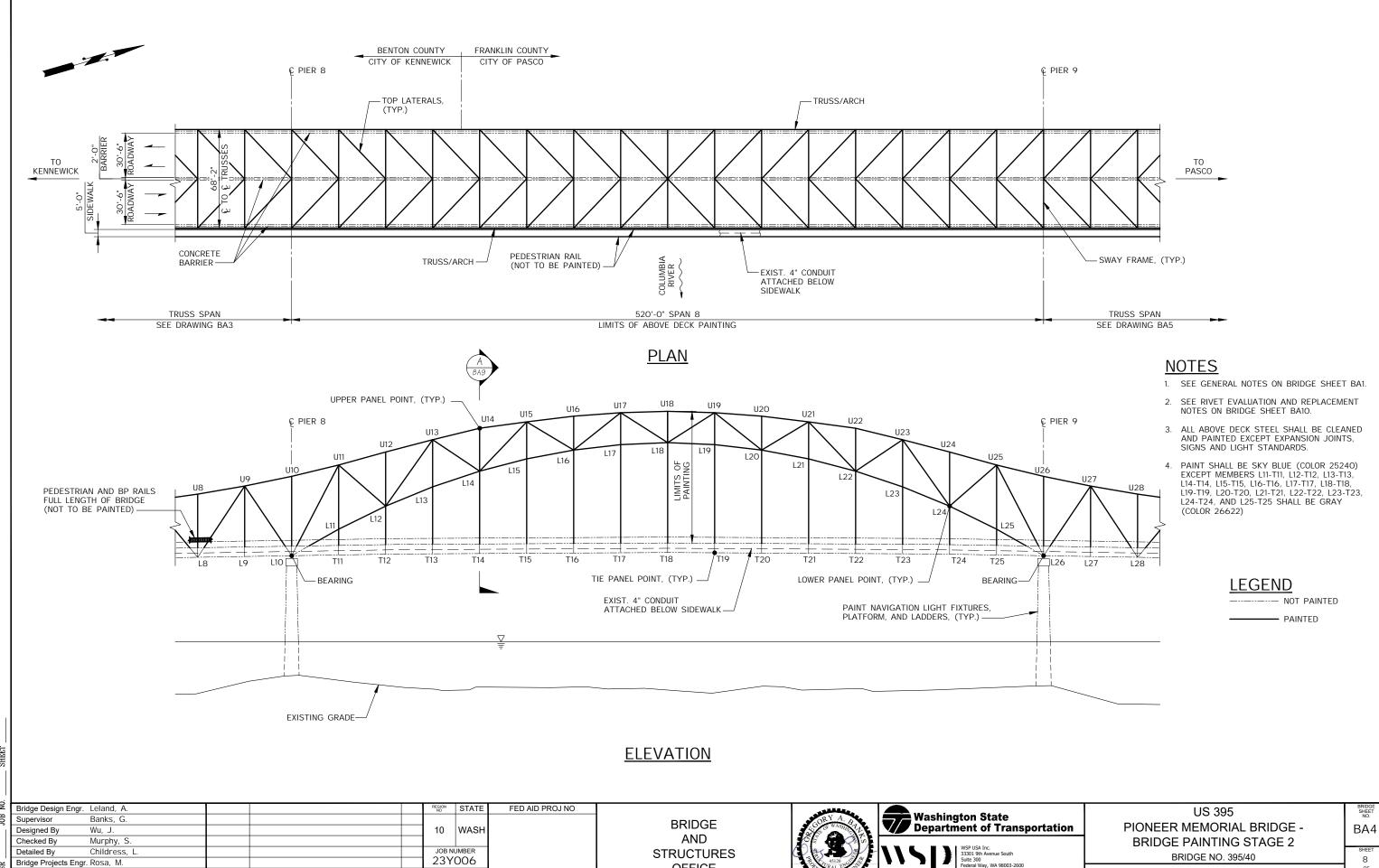
	Washington State Department of Transportation								
Π1	<u> </u>	WSP USA Inc. 33301 9th Avenue South Suite 300 Federal Way, WA 98003-2600 TEL: (206) 431-2300 FAX: (206) 431-2250							

US 395
PIONEER MEMORIAL BRIDGE BRIDGE PAINTING STAGE 2

BRIDGE NO. 395/40

PLAN AND ELEVATION - SPAN 7

7 OF 23 SHEETS



OFFICE

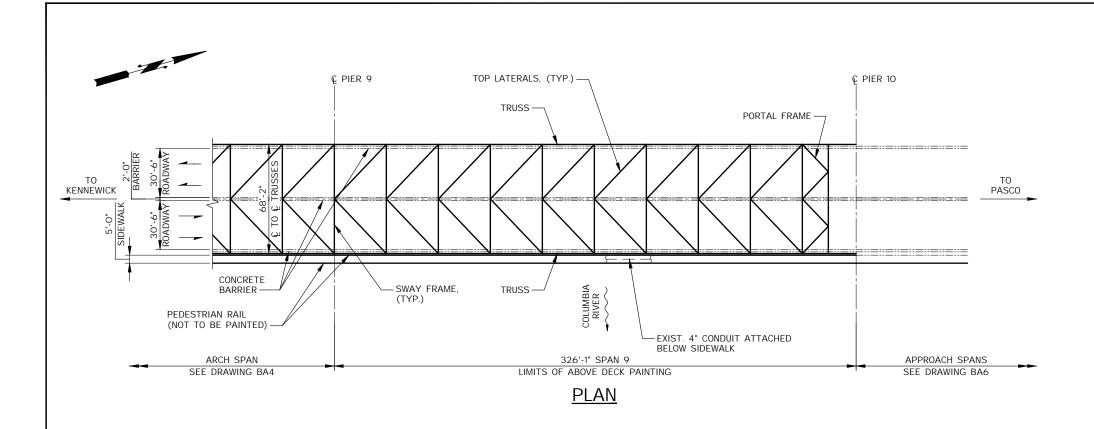
PLAN AND ELEVATION - SPAN 8

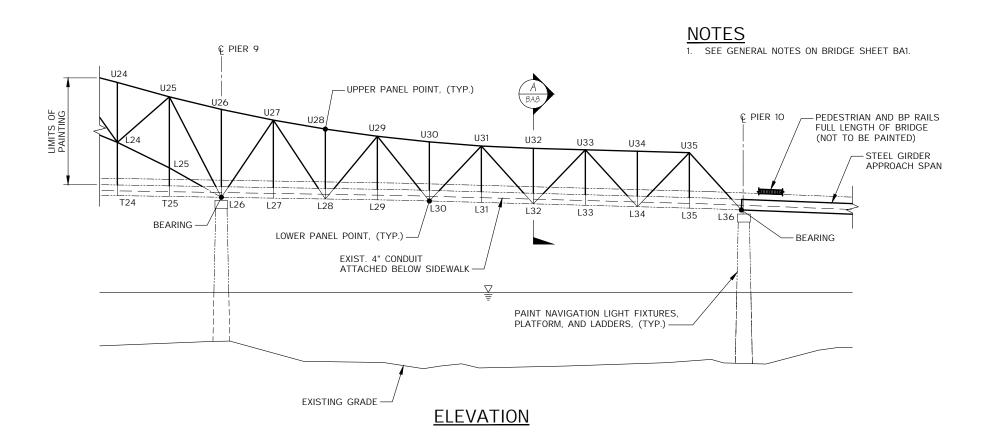
Prelim. Plan By

Architect/Specialist

DATE

REVISION





NOTES

- 1. SEE GENERAL NOTES ON BRIDGE SHEET BA1.
- 2. SEE RIVET EVALUATION AND REPLACEMENT NOTES ON BRIDGE SHEET BA10.
- 3. ALL ABOVE DECK STEEL SHALL BE CLEANED AND PAINTED EXCEPT EXPANSION JOINTS, SIGNS AND LIGHT STANDARDS. PAINT SHALL BE SKY BLUE (COLOR 25240).

LEGEND

--- NOT PAINTED

--- PAINTED

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۱ ۲	Bridge Design Engr.	Leland, A.				REGION NO	STATE	FED AID PROJ NO	
מ	Supervisor	Banks, G.							ı
١	Designed By	Wu, J.				10	WASH		l
	Checked By	Murphy, S.							l
	Detailed By	Childress, L.					JMBER		l
<u>,</u>	Bridge Projects Engr	. Rosa, M.				23Y	006		i
1	Prelim. Plan By								
	Architect/Specialist		DATE	REVISION	RY				1

BRIDGE AND STRUCTURES OFFICE



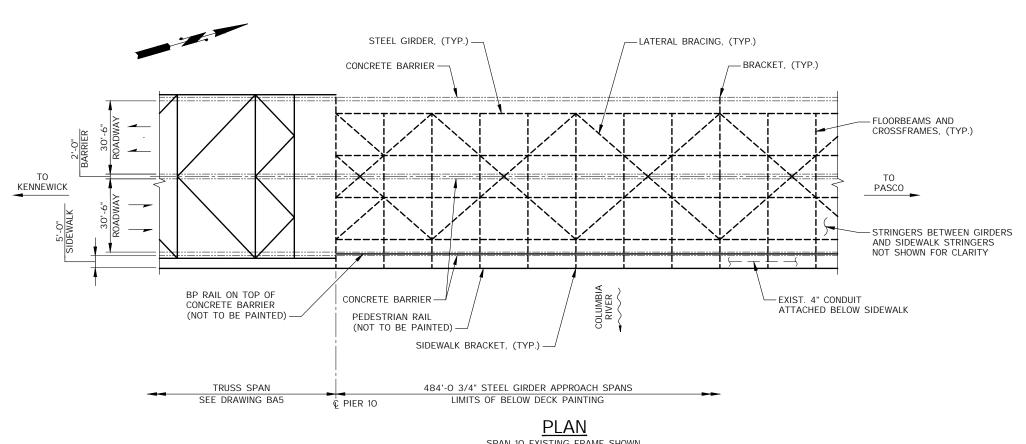
		gton State nent of Transportation
T1	\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	WSP USA Inc. 33301 9th Avenue South Suite 300 Federal Way, WA 98003-2600 TEL: (206) 431-2300 FAX: (206) 431-2350

US 395
PIONEER MEMORIAL BRIDGE -
BRIDGE PAINTING STAGE 2
PRIDCE NO 205/40

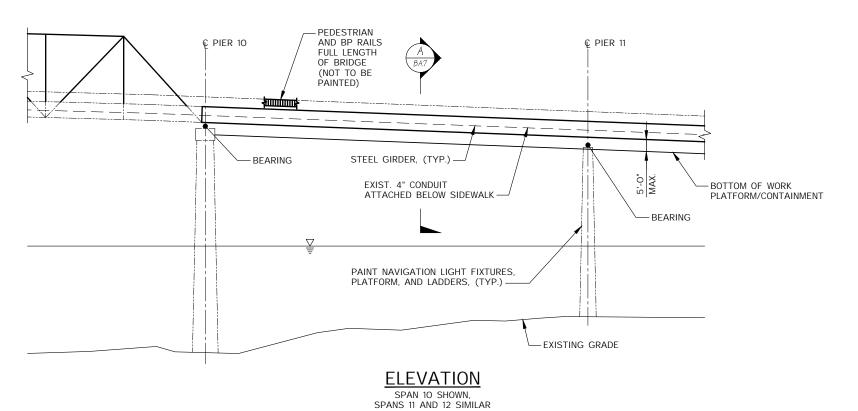
BRIDGE NO. 395/40

PLAN AND ELEVATION - SPAN 9

9 OF 23 SHEETS



SPAN 10 EXISTING FRAME SHOWN, SPANS 11 AND 12 SIMILAR



FED AID PROJ NO



US 395 PIONEER MEMORIAL BRIDGE -**BRIDGE PAINTING STAGE 2**

NOTES

(COLOR 26622).

LEGEND

1. SEE GENERAL NOTES ON BRIDGE SHEET BA1.

2. SEE RIVET EVALUATION AND REPLACEMENT NOTES ON BRIDGE SHEET BA10.

3. ALL BELOW DECK STEEL SHALL BE CLEANED AND PAINTED. PAINT SHALL BE GRAY

-- NOT PAINTED

- PAINTED

BRIDGE NO. 395/40

PLAN AND ELEVATION - SPANS 10 TO 12

BA6

10

23

STATE Bridge Design Engr. Leland, A. Supervisor Banks, G. 10 WASH Designed By Wu J Checked By Murphy, S. Detailed By Childress, L. 23Y006 Bridge Projects Engr. Rosa, M. Prelim. Plan By DATE REVISION Architect/Specialist

BRIDGE AND **STRUCTURES OFFICE**

Washington State
Department of Transportation WSP USA Inc. 33301 9th Avenue South Suite 300 Federal Way, WA 98003-2600 TEL: (206) 431-2300 FAX: (206) 431-2250

¢ BRIDGE

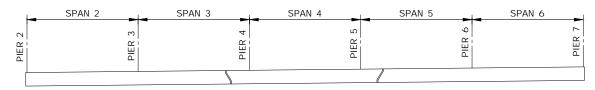
NOTES

- 1. SEE GENERAL NOTES ON BRIDGE SHEET BA1.
- 2. SEE RIVET EVALUATION AND REPLACEMENT NOTES ON BRIDGE SHEET BA10.
- 3. ALL BELOW DECK STEEL SHALL BE CLEANED AND PAINTED.

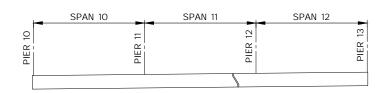
LEGEND
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----- PAINTED

CONSTRUCTION LOADING FOR STEEL GIRDER APPROACH SPANS

- TEMPORARY BELOW DECK WORK PLATFORM:
- A. THE CONTRACTOR MAY SUPPORT A TEMPORARY BELOW-DECK WORK PLATFORM FROM THE GIRDERS. THE WIDTH OF THE PLATFORM SHALL NOT EXCEED THE OUT TO OUT WIDTH OF THE GIRDERS PLUS 5-FEET ON EITHER SIDE.
- B. PLATFORMS MAY BE PLACED IN ANY APPROACH SPAN BEING PAINTED.

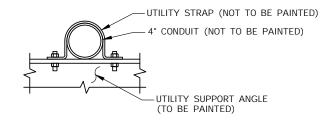


APPROACH SPANS 2 TO 6



APPROACH SPANS 10 TO 12

- C. THE TOTAL WEIGHT OF THE PLATFORM (SELF WEIGHT PLUS IMPOSED LOADS) SHALL NOT EXCEED 30 PSF.
- D. THE PLATFORM MAY BE SUSPENDED FROM THE GIRDERS AT 25' MAXIMUM INTERVALS. THE PLATFORM SHALL BE SUPPORTED BY ALL FOUR GIRDER LINES, NO ATTACHMENT SHALL BE MADE TO FLOOR BEAMS, STRINGERS, CROSSFRAMES, LATERAL BRACING OR SIDEWALK BRACKETS. THE MAXIMUM UNFACTORED REACTION AT ANY ATTACHMENT POINT SHALL NOT EXCEED 10,000 POUNDS.
- 2. VERTICAL COMPONENTS OF THE CONTAINMENT SYSTEM (TARPS) SHALL BE REMOVED WHEN WIND SPEEDS (GUSTS) EXCEED OR ARE FORECASTED TO EXCEED 40 MILES PER HOUR.
- 3. ATTACHMENT TO THE BRIDGE SHALL BE MADE WITH CLAMP OR PADDED WRAP TYPE CONNECTORS. HOLES SHALL NOT BE MADE IN BRIDGE MEMBERS. NO WELDING TO BRIDGE MEMBERS IS ALLOWED. METHODS OF ATTACHMENT TO THE BRIDGE SHALL BE SUBMITTED IN ACCORDANCE WITH THE STANDARD SPECIFICATION SECTION 6-07.3(2)F.
- 4. WORKING DRAWINGS AND CALCULATIONS (TYPE 2E) SHALL BE SUBMITTED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 1-05.3. WORKING DRAWINGS AND CALCULATIONS SHALL SHOW THAT ALL THE ABOVE CONSTRAINTS HAVE BEEN MET. FOR ALL THE CONSTRUCTION LOADS. CONSTRUCTION LOADS SHALL NOT PLACED ON THE BRIDGE UNTIL THE ASSOCIATED WORKING DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED AND ACCEPTED BY WSDOT.
- 5. CONSTRUCTION VEHICLES OR EQUIPMENT ON THE DECK SHALL NOT EXCEED LEGAL LOAD LIMITS.
- 6. REMOVED PAINT, DEBRIS AND SPENT ABRASIVE BLAST MEDIA SHALL BE COLLECTED AND REMOVED FROM THE BRIDGE DAILY, AT A MINIMUM, TO KEEP UNNECESSARY WEIGHT OFF THE BRIDGE.



NOTES:

THE UTILITY STRAP SHALL BE REMOVED AND THE UTILITY MOVED ASIDE SO THAT THE UTILITY SUPPORT ANGLE CAN BE PAINTED. THE UTILITY SHALL BE PUT BACK IN PLACE AND ANCHORED WITH THE UTILITY STRAP ONCE PAINTING OF THE UTILITY SUPPORT ANGLE IS COMPLETE.

THE CONDUIT SHALL BE TEMPORARILY SECURED WHILE THE UTILITY STRAPS ARE REMOVED.

THE UTILITY SHALL REMAIN IN SERVICE.

FED AID PROJ NO Bridge Design Engr. Leland, A. STAT Banks, G. Supervisor 10 WASH Designed By Wu J Checked By Murphy, S. Childress, L. Detailed By 23Y006 Bridge Projects Engr. Rosa, M. Prelim. Plan By DATE REVISION Architect/Specialist

* WORK PLATFORM MAY NOT BE SUPPORTED BY EXISTING

STRINGERS, BRACING, CROSSERAMES OR FLOOR BEAMS.

BRIDGE AND STRUCTURES OFFICE





DETAIL

US 395 PIONEER MEMORIAL BRIDGE -BRIDGE PAINTING STAGE 2

BRIDGE NO. 395/40

TYPICAL SECTION AND NOTES APPROACH SPANS

11 of 23 sheets

TYPICAL TRUSS SPAN SECTION (SPANS 7 AND 9)

NOTES

1. SEE GENERAL NOTES ON BRIDGE SHEET BA1.

2. SEE RIVET EVALUATION AND REPLACEMENT NOTES ON BRIDGE SHEET BA10.

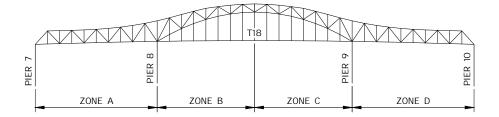
3. ALL ABOVE DECK STEEL SHALL BE CLEANED AND PAINTED EXCEPT EXPANSION JOINTS, SIGNS AND LIGHT STANDARDS.

LEGEND
----- NOT PAINTED

PAINTED

CONSTRUCTION LOADING NOTES FOR TRUSS SPANS

- I. TEMPORARY WORK PLATFORM:
- A. THE CONTRACTOR MAY SUPPORT A TEMPORARY WORK PLATFORM FROM THE TRUSS. THE WIDTH OF THE PLATFORM SHALL NOT EXCEED THE OUT TO OUT WIDTH OF THE TRUSSES PLUS 2-FEET ON EITHER SIDE.
- B. THE PLATFORM MAY BE PLACED ANYWHERE IN ZONES A, B, C OR D AS SHOWN BELOW. HOWEVER, THE PLATFORM MAY NOT BE PLACED IN MORE THAN ONE ZONE AT THE SAME TIME.



- C. THE TOTAL WEIGHT OF THE PLATFORM (SELF WEIGHT PLUS IMPOSED LOADS) SHALL NOT EXCEED 15 PSF.
- D. THE WEIGHT OF CONTAINMENT AND ACCESS EQUIPMENT TRIBUTARY TO EACH UPPER TRUSS PANEL POINT SHALL NOT EXCEED 2,000 POUNDS IN ZONE A OR D.
- E. THE PLATFORM MAY BE SUSPENDED FROM THE TRUSS UPPER PANEL POINTS AND SWAY FRAME UPPER PANEL POINTS ONLY. NO ATTACHMENT SHALL BE MADE TO TRUSS OR SWAY FRAME MEMBERS BETWEEN PANEL POINTS. THE PLATFORM SHALL NOT BE ATTACHED TO TOP LATERALS.
- F. THE MAXIMUM UNFACTORED REACTION AT ANY TRUSS PANEL POINT SHALL NOT EXCEED 20,000 POUNDS. THE MAXIMUM UNFACTORED REACTION AT ANY SWAY FRAME PANEL POINT SHALL NOT EXCEED 10,000 POUNDS.
- G. THE LOWEST POINT OF THE WORK PLATFORM SHALL NOT BE LOWER THAN THE EXISTING PORTAL AND SWAY FRAMES.
- 2. VERTICAL COMPONENTS OF THE CONTAINMENT SYSTEM (TARPS) SHALL BE REMOVED WHEN WIND SPEEDS (GUSTS) EXCEED OR ARE FORECASTED TO EXCEED 40 MILES PER HOUR.
- 3. ATTACHMENT TO THE BRIDGE SHALL BE MADE WITH CLAMP OR PADDED WRAP TYPE CONNECTORS. HOLES SHALL NOT BE MADE IN BRIDGE MEMBERS. NO WELDING TO BRIDGE MEMBERS IS ALLOWED. METHODS OF ATTACHMENT TO THE BRIDGE SHALL BE SUBMITTED IN ACCORDANCE WITH THE STANDARD SPECIFICATION SECTION 6-07.3(2)F.
- 4. WORKING DRAWINGS AND CALCULATIONS (TYPE 2E) SHALL BE SUBMITTED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 1-05.3. WORKING DRAWINGS AND CALCULATIONS SHALL SHOW THAT ALL THE ABOVE CONSTRAINTS HAVE BEEN MET FOR ALL THE CONSTRUCTION LOADS. CONSTRUCTION LOADS SHALL NOT PLACED ON THE BRIDGE UNTIL THE ASSOCIATED WORKING DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED AND ACCEPTED BY WSDOT.
- 5. CONSTRUCTION VEHICLES OR EQUIPMENT ON THE DECK SHALL NOT EXCEED LEGAL LOAD LIMITS.
- 6. REMOVED PAINT, DEBRIS AND SPENT ABRASIVE BLAST MEDIA SHALL BE COLLECTED AND REMOVED FROM THE BRIDGE DAILY, AT A MINIMUM, TO KEEP UNNECESSARY WEIGHT OFF THE BRIDGE.

8	Bridge Design Engr.	Leland, A.				REGION NO	STATE	FED AID PROJ NO	П
JOB	Supervisor	Banks, G.							ı
١	Designed By	Wu, J.				10	WASH		l
	Checked By	Murphy, S.							ı
	Detailed By	Childress, L.					UMBER		ı
SR	Bridge Projects Engr	. Rosa, M.				23Y	006		ı
02	Prelim. Plan By								ı
	Architect/Specialist		DATE	REVISION	BY				1

BRIDGE AND STRUCTURES OFFICE







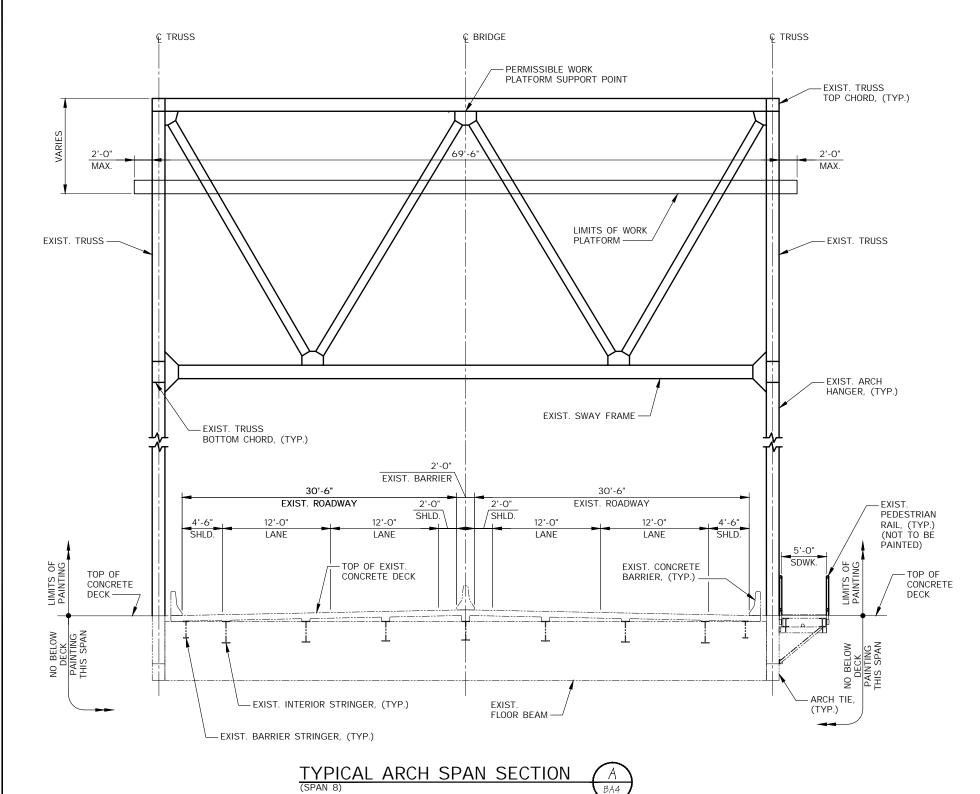
PIONEER MEMORIAL BRIDGE -BRIDGE PAINTING STAGE 2 BRIDGE NO. 395/40

TYPICAL SECTION AND NOTES -SPANS 7, 9

US 395

BA8

12 of 23 sheets



NOTES

1. SEE GENERAL NOTES ON BRIDGE SHEET BA1.

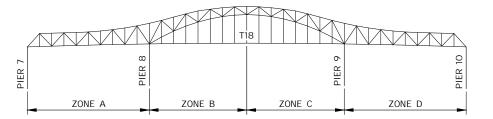
2. SEE RIVET EVALUATION AND REPLACEMENT NOTES ON BRIDGE SHEET BA10.

3. ALL ABOVE DECK STEEL SHALL BE CLEANED AND PAINTED EXCEPT EXPANSION JOINTS, SIGNS AND LIGHT STANDARDS. LEGEND NOT PAINTED

PAINTED

CONSTRUCTION LOADING NOTES FOR ARCH SPAN

- TEMPORARY WORK PLATFORM:
- A. THE CONTRACTOR MAY SUPPORT A TEMPORARY WORK PLATFORM FROM THE ARCH SPAN. THE WIDTH OF THE PLATFORM SHALL NOT EXCEED THE OUT TO OUT WIDTH OF THE TRUSSES PLUS
- THE PLATFORM MAY BE PLACED ANYWHERE IN ZONES A, B, C OR D AS SHOWN BELOW. HOWEVER, THE PLATFORM MAY NOT BE PLACED IN MORE THAN ONE ZONE AT THE SAME TIME.



- C. THE TOTAL WEIGHT OF THE PLATFORM (SELF WEIGHT PLUS IMPOSED LOADS) SHALL NOT EXCEED
- D. THE WEIGHT OF CONTAINMENT AND ACCESS EQUIPMENT TRIBUTARY TO EACH UPPER TRUSS PANEL POINT SHALL NOT EXCEED 4,000 POUNDS AT EACH UPPER PANEL POINT IN ZONE B OR C.
- E. THE PLATFORM MAY BE SUSPENDED FROM THE TRUSS UPPER PANEL POINTS AND SWAY FRAME UPPER PANEL POINTS ONLY. NO ATTACHMENT SHALL BE MADE TO TRUSS OR SWAY FRAME MEMBERS BETWEEN PANEL POINTS. THE PLATFORM SHALL NOT BE ATTACHED TO TOP LATERALS
- THE MAXIMUM UNFACTORED REACTION AT ANY TRUSS PANEL POINT SHALL NOT EXCEED 22,000 POUNDS. THE MAXIMUM UNFACTORED REACTION AT ANY SWAY FRAME PANEL POINT SHALL NOT
- G. THE LOWEST POINT OF THE WORK PLATFORM SHALL NOT BE LOWER THAN 19'-O" ABOVE THE CONCRETE DECK.
- 2. VERTICAL COMPONENTS OF THE CONTAINMENT SYSTEM (TARPS) SHALL BE REMOVED WHEN WIND SPEEDS (GUSTS) EXCEED OR ARE FORECASTED TO EXCEED 40 MILES PER HOUR.
- 3. ATTACHMENT TO THE BRIDGE SHALL BE MADE WITH CLAMP OR PADDED WRAP TYPE CONNECTORS. HOLES SHALL NOT BE MADE IN BRIDGE MEMBERS. NO WELDING TO BRIDGE MEMBERS IS ALLOWED. METHODS OF ATTACHMENT TO THE BRIDGE SHALL BE SUBMITTED IN ACCORDANCE WITH THE STANDARD SPECIFICATION SECTION 6-07.3(2)F.
- 4. WORKING DRAWINGS AND CALCULATIONS (TYPE 2E) SHALL BE SUBMITTED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 1-05.3. WORKING DRAWINGS AND CALCULATIONS SHALL SHOW THAT ALL THE ABOVE CONSTRAINTS HAVE BEEN MET FOR ALL THE CONSTRUCTION LOADS. CONSTRUCTION LOADS SHALL NOT PLACED ON THE BRIDGE UNTIL THE ASSOCIATED WORKING DRAWINGS AND CALCULATIONS HAVE BEEN REVIEWED AND ACCEPTED BY WSDOT.
- 5. CONSTRUCTION VEHICLES OR EQUIPMENT ON THE DECK SHALL NOT EXCEED LEGAL LOAD LIMITS.
- 6. REMOVED PAINT, DEBRIS AND SPENT ABRASIVE BLAST MEDIA SHALL BE COLLECTED AND REMOVED FROM THE BRIDGE DAILY, AT A MINIMUM, TO KEEP UNNECESSARY WEIGHT OFF THE BRIDGE.

ž	Bridge Design Engr.	Leland, A.				REGION NO	STATE	FED AID PROJ NO	Π
JOB JOB	Supervisor	Banks, G.							ı
ī	Designed By	Wu, J.				10	WASH		ı
	Checked By	Murphy, S.							ı
	Detailed By	Childress, L.					JMBER		ı
ž	Bridge Projects Engr	. Rosa, M.				23Y	006		ı
,,	Prelim. Plan By								ı
	Architect/Specialist		DATE	REVISION	BY				ı

BRIDGE AND **STRUCTURES OFFICE**







US 395 PIONEER MEMORIAL BRIDGE -**BRIDGE PAINTING STAGE 2**

BRIDGE NO. 395/40

TYPICAL SECTION AND NOTES -SPAN 8

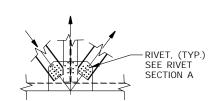
13

- EXISTING RIVETS TO REMAIN ON MEMBERS AND/OR GUSSETS BEING PAINTED SHALL BE EVALUATED AFTER FIELD PREPARATION FOR PAINTING AND PRIMING IS COMPLETED AND SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH THE RIVET EVALUATION CRITERIA SHOWN ON THIS SHEET. NEW H.S. BOLTS SHALL BE INSTALLED AND TENSIONED IN ACCORDANCE WITH SECTION 6-03.3(33), AND PREPARED FOR PAINT IN ACCORDANCE WITH SECTION 6-07.3(11)A.
- 2. BOLTS SHALL CONFORM TO ASTM F3125 GR A325 AND SHALL BE GALVANIZED. BOLTS REPLACING RIVETS SHALL HAVE A DIAMETER MATCHING THE DIAMETER OF THE RIVET THEY REPLACE. EXISTING HOLES MAY BE REAMED TO THE RIVET DIAMETER PLUS 1/8" MAXIMUM TO FACILITATE BOLT INSTALLATION IF NEEDED.
- 3. UNLESS OTHERWISE SHOWN IN THE PLANS OR APPROVED BY THE ENGINEER, ONLY ONE RIVET MAY BE REMOVED AND REPLACED AT A TIME AT ANY CONNECTION. THE REPLACEMENT BOLT SHALL BE FULLY INSTALLED AND TENSIONED BEFORE THE NEXT RIVET MAY BE REMOVED.
- 4. PRIOR TO STARTING ANY RIVET REMOVAL, THE CONTRACTOR SHALL SUBMIT A TYPE 2 WORKING DRAWING DETAILING PROPOSED RIVET REMOVAL METHODS TO THE ENGINEER. ACCEPTANCE WILL REQUIRE DEMONSTRATION BY THE CONTRACTOR TO ENSURE NO DAMAGE WILL OCCUR TO THE EXISTING MEMBER TO REMAIN. NO FLAME CUTTING METHODS WILL BE PERMITTED.

RIVET EVALUATION CRITERIA

RIVETS SHALL BE REPLACED IF THEY MEET ANY ONE OF THESE CRITERIA.

- REPLACE RIVET IF THERE IS SEPARATION BETWEEN THE SOUND METAL SURFACES OF EITHER RIVET HEAD AND THE RIVETED PARTS.
- 2. REPLACE RIVET IF THE RIVET VISUALLY APPEARS TO BE LOOSE FOR ANY REASON. RIVETS VISUALLY SUSPECT OF BEING LOOSE SHALL BE CONFIRMED LOOSE IF IT CAN BE FELT TO MOVE AFTER BEING STRUCK ON THE SIDE OF THE HEAD IN A DIRECTION APPROXIMATELY PERPENDICULAR TO ITS SHANK WITH A 40 OZ HAMMER.
- REPLACE RIVET IF SECTION LOSS IS EQUAL TO OR GREATER THAN THE DIAGRAM SHOWN BELOW. THE ENGINEER SHALL BE CONSULTED IF UNCLEAR AS TO THE RIVET LOADING CONDITION OR USE THE SECTION LOSS CRITERIA FOR "UNKNOWN" LOADING CONDITION. FOR RIVETS WITH IRREGULAR SECTION LOSS, CONTACT THE ENGINEER FOR DIRECTION.



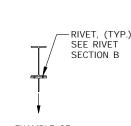
EXAMPLE OF PRIMARILY SHEAR

RIVET LOADING CONDITION 1

LOADING CONDITION - PRIMARILY SHEAR

- RIVET. (TYP.) SEE RIVET

SECTION B

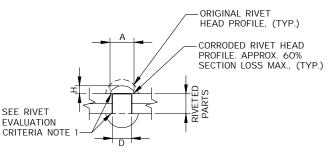


EXAMPLE OF TENSION AND SHEAR

EXAMPLE OF PRIMARILY TENSION

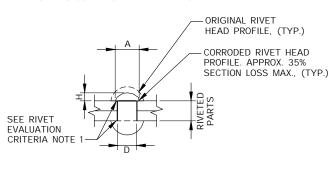
RIVET LOADING CONDITION 2

LOADING CONDITION - PRIMARILY TENSION TENSION & SHEAR, OR UNKNOWN



RIVET SECTION A

LOADING CONDITION - PRIMARILY SHEAR



RIVET SECTION B

LOADING CONDITION - PRIMARILY TENSION, TENSION & SHEAR, OR UNKNOWN

MINIMUM RIVET DIMENSIONS											
	LOADING: PRIM	MARILY SHEAR		SION & SHEAR, R UNKNOWN							
RIVET SHANK DIAMETER "D"	MINIMUM HEAD DIAMETER "A"	MINIMUM HEAD HEIGHT "H"	MINIMUM HEAD DIAMETER "A"	MINIMUM HEAD HEIGHT "H"							
5/8"	7/8"	3/16"	1"	3/8"							
3/4"	1"	1/4"	1 1/8"	7/16"							
7/8"	1 1/8"	3/8"	1 1/4"	9/16"							

: -: I									
N 9	Bridge Design Engr.	Leland, A.				REGION NO	STATE	FED AID PROJ NO	
JOB	Supervisor	Banks, G.							
, ₁	Designed By	Wu, J.				10	WASH		l
	Checked By	Murphy, S.							l
	Detailed By	Childress, L.					JMBER		l
SR	Bridge Projects Engr	. Rosa, M.				23Y	006		
02	Prelim. Plan By								l
	Architect/Specialist		DATE	REVISION	BY				

BRIDGE AND **STRUCTURES OFFICE**







US 395 PIONEER MEMORIAL BRIDGE -**BRIDGE PAINTING STAGE 2**

LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH) 20 25 30 35						45	50	55	60	65	70
LENGTH (feet)	115	155	200	250	305	360	425	495	570	645	730

MOBILE TRA	NSPORTABL	E ATTENL	ATOR	ROLL A	HEAD DISTA	NCE = R			
	HOST VEHICLE WEIGHT LESS THAN 22,000 lbs. HOST VEHICLE WEIGHT 22,000+ lbs.								
UP TO 40 MPH	45-55 MPH	60+ MPH	UP TO	40 MPH	45-55 MPH	60+ MPH			
100'	172'	222'		100'	150'	172'			

SIGN SPACING	3 = X (1)	
FREEWAYS & EXPRESSWAYS	50-75 MPH	1500' +/-
RURAL HIGHWAYS	60-70 MPH	800' +/-
RURAL ROADS	45-55 MPH	500' +/-
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' +/-
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25-30 MPH	200' +/- (2)
URBAN STREETS 25 MF	PH OR LESS	100' +/- (2)
(1) ALL SPACING MAY BE ADJUSTED T INTERCHANGE RAMPS, AT-GRADE INTE		

(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

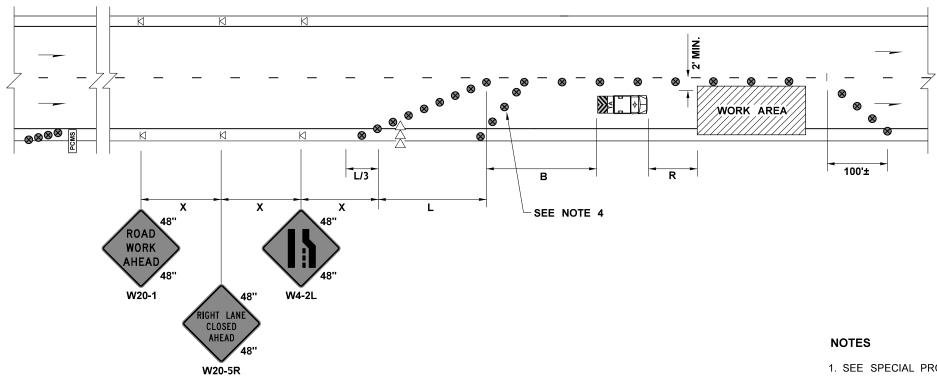
	MINIMUM												
LANE WIDTH	SPEED (MPH)	20	25	30	35	40	45	50	55	60	65	70	
12'	L (feet)	80	140	180	270	330	540	600	680	720	800	840	

	MAXIMUM DEVICE CHANNELIZATION (feet) MPH TAPER TANGENT 50-70 40 80 35-45 30 60						
I	MPH	TAPER	TANGENT				
ſ	50-70	40	80				
I	35-45	30	60				
ſ	20-30	20	40				

P	CMS
1	2
RIGHT	1.5
LANE	MILES
CLOSED	AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1.5 +/-MILES PRIOR TO FIRST LANE CLOSURE TAPER

LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.



LEGEND:

TEMPORARY SIGN LOCATION

TRAFFIC SAFETY DRUM

SEQUENTIAL ARROW SIGN TRANSPORTABLE ATTENUATOR

PORTABLE CHANGEABLE MESSAGE SIGN

SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

- 2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
- 3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- 4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000'(FT) (RECOMMENDED).
- 5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
- 6. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.

FILE NAME	K:\454306\Projects\XL6475-US	395_MP18.75-MP18.97_PaintingS2\CAD\ContractPlans_Ait	\410-WZTCPlan\XL	.6475_PS_TC.dgn	1					Plot 1
TIME	8:30:27 AM			REGION STATE	FED.AID PROJ.NO.				US 395	PLAN REF NO
DATE	4/20/2023			10 WASH						TC1
PLOTTED BY	GunderC								PIONEER MEMORIAL BRIDGE -	
DESIGNED BY	C.GUNDERT			JOB NUMBER				Washington State	BRIDGE PAINTING STAGE 2	SHEET
ENTERED BY	C. GUNDERT			23Y006				9		15
CHECKED BY	P. COOPER			CONTRACT NO.	LOCATION NO.			Department of Transportation		OF OF
PROJ. ENGR.	A. SANGUINO					DATE	DATE		TRAFFIC CONTROL PLAN	23 SHEETS
REGIONAL ADM.	C KEIFENHEIM	REVISION	DATE BY	7		DE STAMP POY	DE STAMP POY			5

LONGITUDINAL BUFFER SPACE = B												
SPEED (MPH)	20	25	30	35	40	45	50	55	60	65	70	
LENGTH (feet)	115	155	200	250	305	360	425	495	570	645	730	

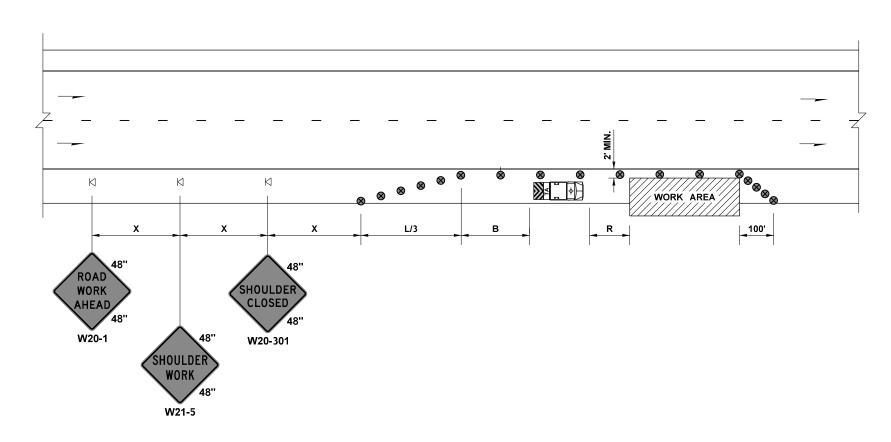
MOBILE TRA	NSPORTABL	E ATI	TENU	ATO	R F	ROL	L AI	HEAD	DISTA	NCE	= R
HOST V LESS T				HO:		EHICL 2,000+	E WEI lbs.	GHT			
UP TO 40 MPH	45-55 MPH	60+	MPH	UP	то	40	MPH	45-55	MPH	60+	MPH
100'	172'	22	22'		10)O'		15	0'	1	72'

SIGN SPACING	S = X (1)	
FREEWAYS & EXPRESSWAYS	50-75 MPH	1500' +/-
RURAL HIGHWAYS	60-70 MPH	800' +/-
RURAL ROADS	45-55 MPH	500' +/-
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' +/-
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25-30 MPH	200' +/- (2)
URBAN STREETS 25 MF	PH OR LESS	100' +/- (2)
(1) ALL SPACING MAY BE ADJUSTED T INTERCHANGE RAMPS, AT-GRADE INTE		

(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

	SHOULDER CLOSURE TAPER LENGTH = L/3													
SHOULDEF WIDTH	SPEED (MPH)	20	25	30	35	40	45	50	55	60	65	70	75	
6'	L/3 (feet)	40	40	40	60	60	90	120	120	120	160	160	160	
10'		40	40	60	90	90	150	200	200	200	240	240	280	
F	FOR SHOULDERS LESS THAN 6', USE 3 DEVICES MINIMUM													

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)							
MPH	TAPER	TANGENT					
50-70	40	80					
35-45	30	60					
20-30	20	40					



LEGEND:

TEMPORARY SIGN LOCATION

TRAFFIC SAFETY DRUM



TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE - HIGH SPEED

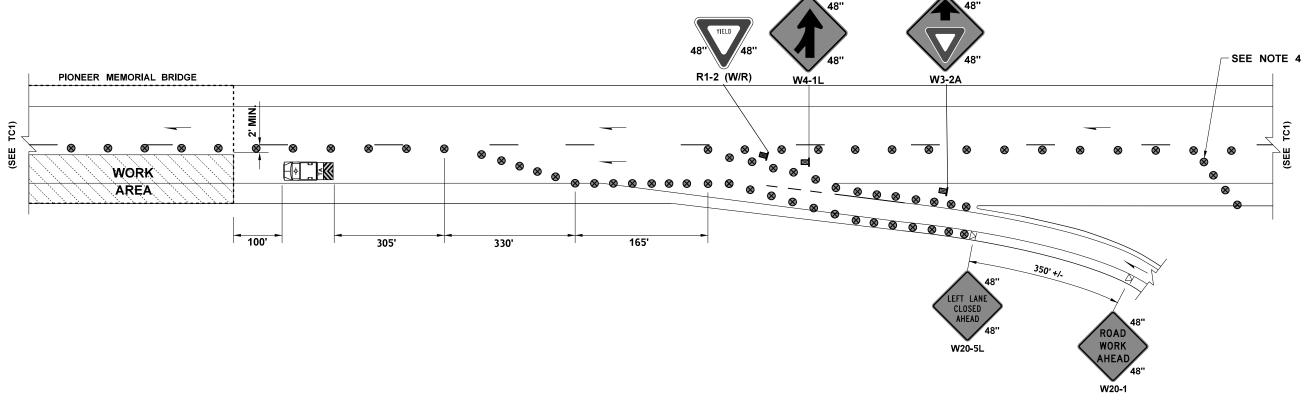
NOT TO SCALE

NOTES

- 1. NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
- 2. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'(FT) O.C.
- 3. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE. INDICATED.

FILE NAME	K:\454306\Projects\XL6475-US	395_MP18.75-MP18.97_PaIntIngS2\CAD\ContractPlans_AIt	\410-WZTCPlan\XL	L6475_PS	S_TC.dgn						Plot 2
TIME	8:30:27 AM			REGION NO.	STATE	FED.AID PROJ.NO.				US 395	PLAN REF NO
DATE	4/20/2023			10	WASH						TC2
PLOTTED BY	GunderC			10	WASH					PIONEER MEMORIAL BRIDGE -	102
DESIGNED BY	C.GUNDERT				NUMBER				Washington State	BRIDGE PAINTING STAGE 2	SHEET
ENTERED BY	C. GUNDERT			231	Y006				3		16
CHECKED BY	P. COOPER			CONT	TRACT NO.	LOCATION NO.			Department of Transportation		OF OF
PROJ. ENGR.	A. SANGUINO						— DATE	DATE	-	TRAFFIC CONTROL PLAN	23 SHEETS
REGIONAL ADM.	C. KEIFENHEIM	REVISION	DATE B	γl			P.E. STAMP BOX	P.E. STAMP BOX			O.I.E.TO

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)								
MPH	TAPER	TANGENT						
50-70	40	80						
35-45	30	60						
20-30	20	40						



LEGEND:

TEMPORARY SIGN LOCATION

TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

TRAFFIC SAFETY DRUM

TRANSPORTABLE ATTENUATOR

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS LEWIS STREET ON-RAMP

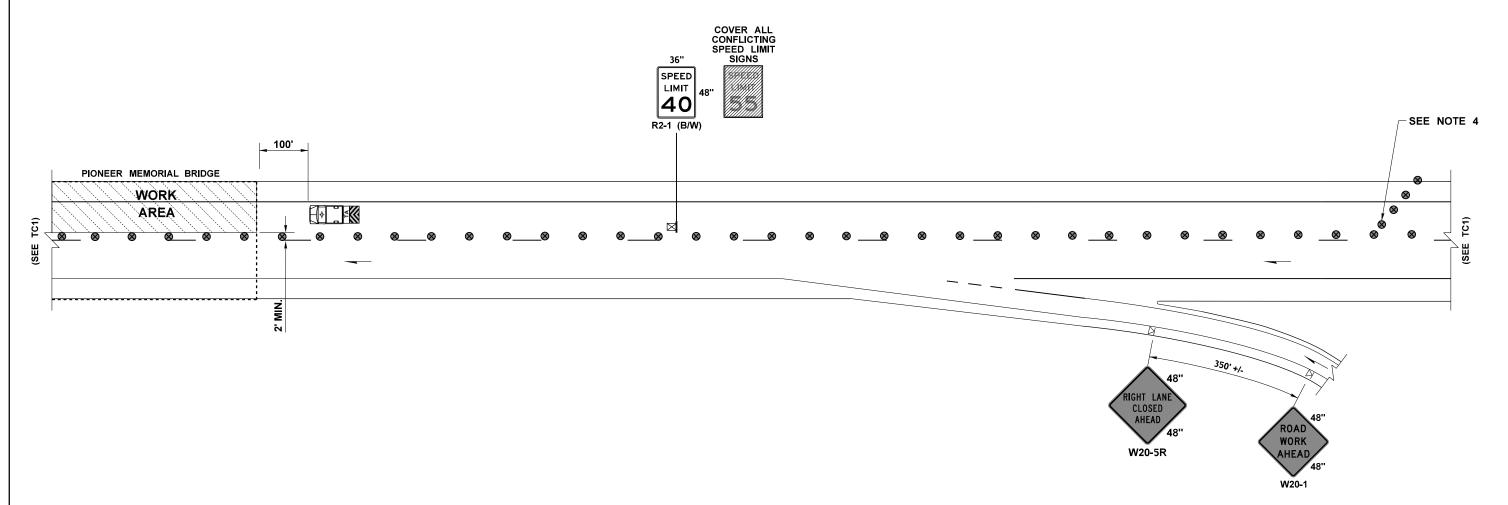
NOT TO SCALE

NOTES

- 1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- 2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER (SEE TC1 FOR MINIMUM LANE CLOSURE TAPER LENGTH).
- 3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- 4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
- 5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
- 6. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.

FILE NAME	K:\454306\Projects\XL6475-US	i395_MP18.75-MP18.97_PaIntIngS2\CAD\ContractPlans_AIt\4	110-WZTCPIa	an\XL6	5475_PS_TC.dgr	1				1	Plot 3
TIME	8:30:28 AM				REGION STATE	FED.AID PROJ.NO.				US 395	PLAN REF NO
DATE	4/20/2023				10 WASH						TC3
PLOTTED BY	GunderC				I IU WASI					PIONEER MEMORIAL BRIDGE -	
DESIGNED BY	C.GUNDERT				JOB NUMBER				Washington State	BRIDGE PAINTING STAGE 2	SHEET
ENTERED BY	C. GUNDERT				23Y006				3		17
CHECKED BY	P. COOPER				CONTRACT NO.	LOCATION NO.			Department of Transportation		_ OF
PROJ. ENGR.	A. SANGUINO						DATE	DATE		TRAFFIC CONTROL PLAN	23 SHEETS
REGIONAL ADM.	C. KEIFENHEIM	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			SILETS

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)								
MPH	TAPER	TANGENT						
50-70	40	80						
35-45	30	60						
20-30	20	40						



LEGEND:

TEMPORARY SIGN LOCATION

► TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

▼ TRAFFIC SAFETY DRUM

TRANSPORTABLE ATTENUATOR

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

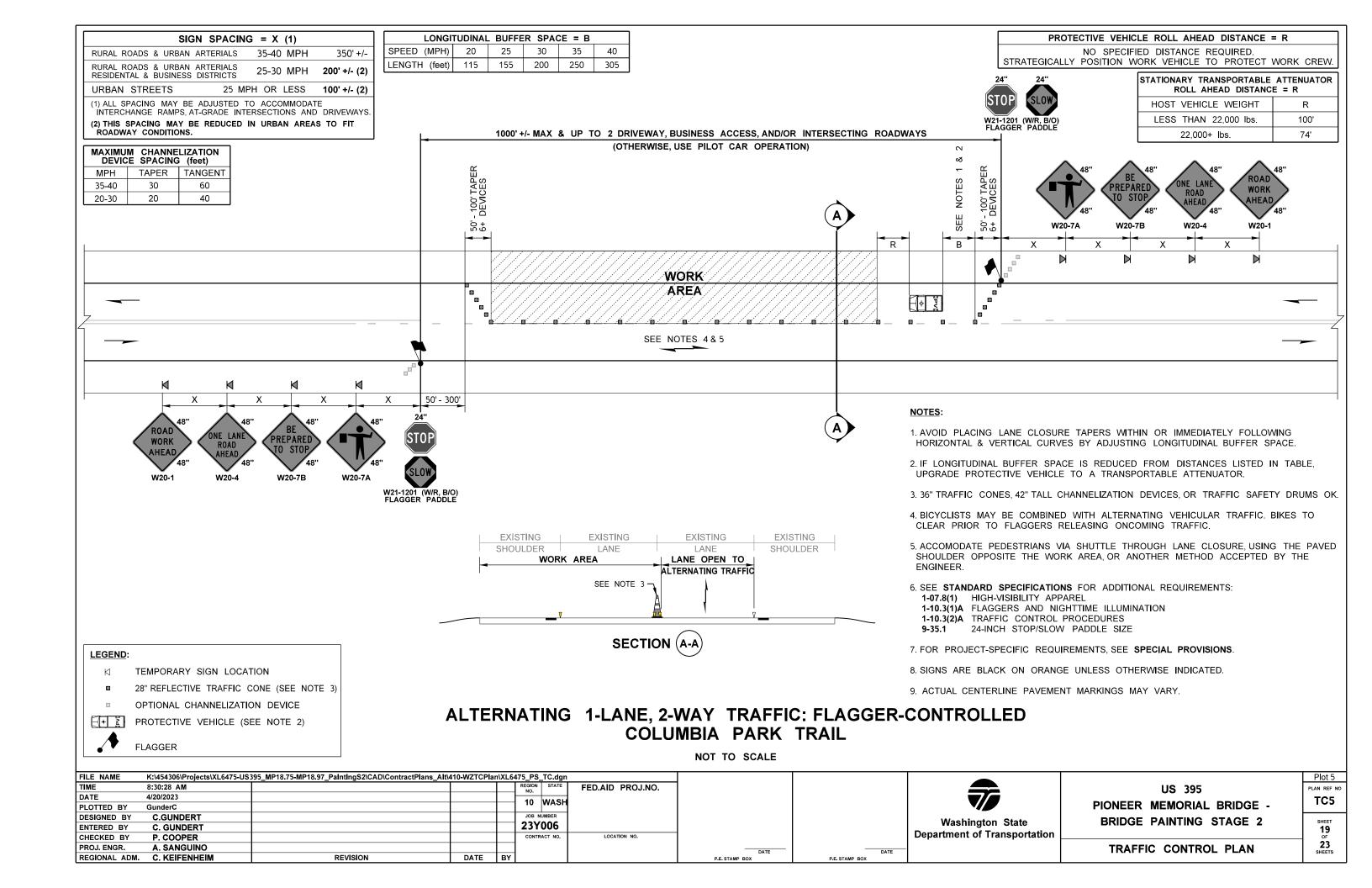
SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS LEWIS STREET ON-RAMP

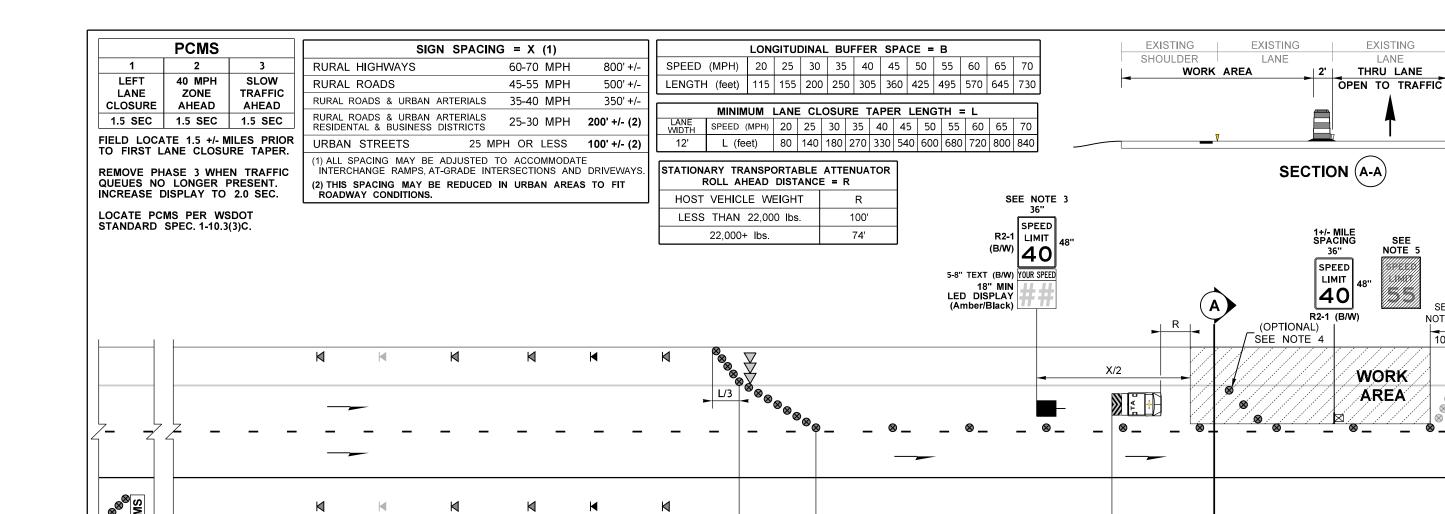
NOT TO SCALE

NOTES

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- 2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER (SEE TC1 FOR MINIMUM LANE CLOSURE TAPER LENGTH).
- 3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- 4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
- 5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'(FT).
- 6. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.

FILE NAME	K:\454306\Projects\XL6475-US	395_MP18.75-MP18.97_PaIntIngS2\CAD\ContractPlans_Alt\	410-WZTCPI	an\XL6	5475_PS_TC.dgr	į					Plot 4
TIME	8:30:28 AM				REGION STATE	FED.AID PROJ.NO.				US 395	PLAN REF
DATE	4/20/2023				10 WASH						TC4
PLOTTED BY	GunderC				T TO WASE					PIONEER MEMORIAL BRIDGE -	107
DESIGNED BY	C.GUNDERT				JOB NUMBER				Washington State	BRIDGE PAINTING STAGE 2	SHEET
ENTERED BY	C. GUNDERT				23Y006				3		18
CHECKED BY	P. COOPER				CONTRACT NO.	LOCATION NO.			Department of Transportation		OF
PROJ. ENGR.	A. SANGUINO						DATE	DATE	-	TRAFFIC CONTROL PLAN	23 SHEETS
REGIONAL ADM.	C. KEIFENHEIM	REVISION	DATE	BY			P.E. STAMP BOX	P.E. STAMP BOX			SHEETS





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W4-2R

QUEUE LOCATION MEASURED FROM HERE SEE NOTE 1

NOTES:

W3-5

X/2

1. IF FEASIBLE, AVOID PLACING LANE CLOSURE OR LANE SHIFT TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL CURVES.

X/2

36

NOTICE

DOUBLE

I20-301 (B/W)

(OPTIONAL)

48'

ROAD

WORK

W20-1

TEMPORARY SIGN LOCATION

TRAFFIC SAFETY DRUM

SEQUENTIAL ARROW SIGN

TRANSPORTABLE ATTENUATOR

TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

RADAR SPEED DISPLAY SIGN (RSDS)

PORTABLE CHANGEABLE MESSAGE SIGN

LEGEND:

PCMS

2. DISTANCE INCREASES AS WORK AREA MOVES DOWNSTREAM.

36'

SPEED

LIMIT

40

R2-1 (B/W)

W20-5L

- 3. RELOCATE RSDS AS WORK AREA MOVES DOWNSTREAM. ENGINEER MAY ORDER ADDITIONAL RSDS (WITH R2-1) PRIOR TO EACH WORK CREW WITHIN WORK AREA.
- 4. IF USED, PLACE DEVICES TRANSVERSELY ACROSS CLOSED LANES AT 45° +/- AND 5' SPACING AT STRATEGIC LOCATIONS.
- 5. COVER ALL CONFLICTING SIGNAGE PER STANDARD SPEC 8-21.3(3). 8. ADD "TRUCKS LEAVING HIGHWAY" AND "TRUCKS ENTERING
- 6. DOWNSTREAM TAPER OPTIONAL ACROSS LEFT LANE. DOWNSTREAM TAPER DEVICE SPACING IS 20'.

VARIES. SEE NOTE 2

- 7. SIGNS OPTIONAL IF EXISTING SPEED LIMIT SIGNS PRESENT WITHIN 1500' +/- FOLLOWING THE DOWNSTREAM TAPER.
- HIGHWAY" (W21-30, 48"x48", 5' HEIGHT) SIGNS 500' +/- PRIOR TO WHERE CONSTRUCTION VEHICLES FREQUENTLY EXIT AND ENTER INTO THE OPEN LANE(S)
- 9. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
- 10. PLAN IS APPLICABLE TO LANE CLOSURES OF 3 DAYS OR LESS

EXISTING

SHOULDER

NOTE 6

100'

NOTE 7

36"

SPEED

LIMIT

55

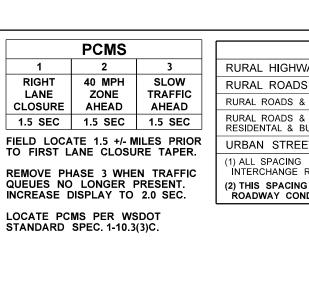
R2-1 (B/W)

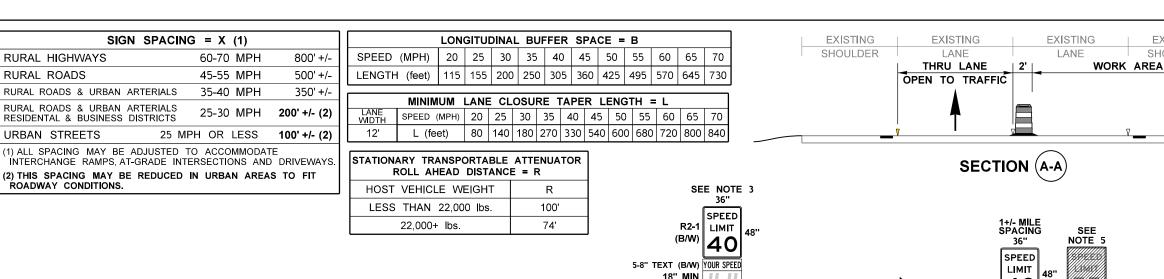
X/2

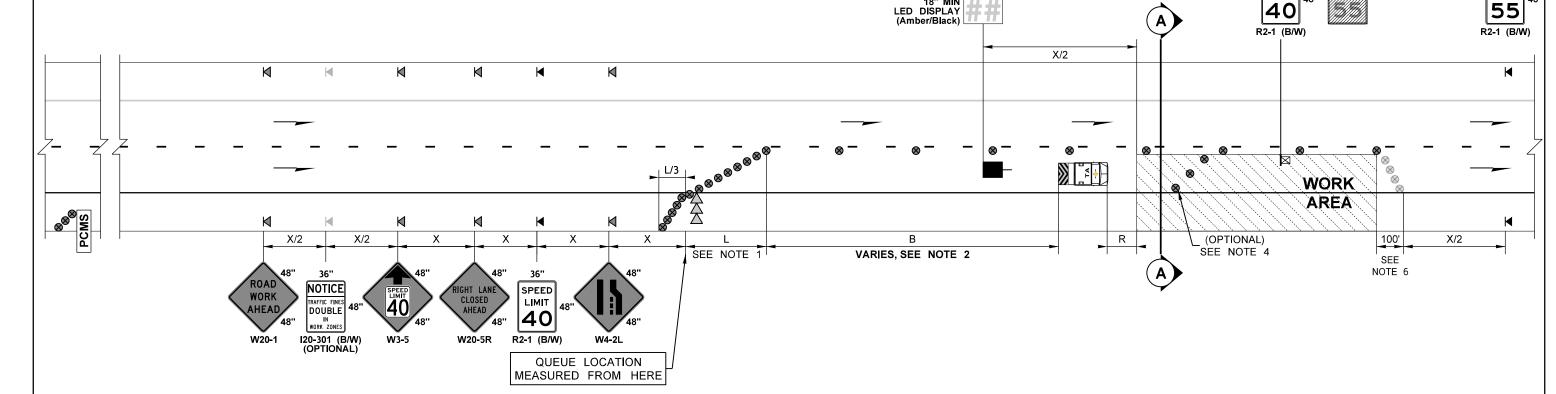
11. BICYCLES PROHIBITED THROUGH WORK ZONE; CONSIDER PROVIDING DETOUR, ALTERNATIVE ROUTE, OR SHUTTLE IN HIGH-USE LOCATIONS PERMITTING PERMANENT BICYCLE ACCESS.

SINGLE LEFT LANE CLOSURE (40 MPH WORK ZONE SPEED LIMIT) NOT TO SCALE

K:\454306\Projects\XL6475-US395_MP18.75-MP18.97_PaintingS2\CAD\ContractPlans_Alt\410-WZTCPlan\XL6475_PS_TC.dgn FILE NAME Plot 6 TIME 8 30 29 AM STAT FED.AID PROJ.NO. US 395 PLAN REF N DATE 4/20/2023 TC6 10 WASH PIONEER MEMORIAL BRIDGE -PLOTTED BY GunderC JOB NUMBER DESIGNED BY C.GUNDER **BRIDGE PAINTING STAGE 2** Washington State 23Y006 ENTERED BY C. GUNDER 20 **Department of Transportation** CHECKED BY P. COOPER LOCATION NO. CONTRACT NO 23 PROJ. ENGR. A. SANGUINO TRAFFIC CONTROL PLAN DATE DATE BY REGIONAL ADM. C. KEIFENHEIM REVISION DATE







LEGEND:

TEMPORARY SIGN LOCATION

TEMPORARY SIGN LOCATION (5'MIN HEIGHT)

TRAFFIC SAFETY DRUM

RADAR SPEED DISPLAY SIGN (RSDS)

SEQUENTIAL ARROW SIGN

TRANSPORTABLE ATTENUATOR PCMS PORTABLE CHANGEABLE MESSAGE SIGN 1. IF FEASIBLE, AVOID PLACING LANE CLOSURE OR LANE SHIFT TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL CURVES.

2. DISTANCE INCREASES AS WORK AREA MOVES DOWNSTREAM.

NOTES:

3. RELOCATE RSDS AS WORK AREA MOVES DOWNSTREAM, ENGINEER MAY ORDER ADDITIONAL RSDS (WITH R2-1) PRIOR TO EACH WORK CREW WITHIN WORK AREA.

4. IF USED, PLACE DEVICES TRANSVERSELY ACROSS CLOSED LANES AT 45° +/- AND 5' SPACING AT STRATEGIC LOCATIONS.

6. DOWNSTREAM TAPER OPTIONAL ACROSS RIGHT LANE. DOWNSTREAM TAPER DEVICE SPACING IS 20'.

7. SIGNS OPTIONAL IF EXISTING SPEED LIMIT SIGNS PRESENT WITHIN 1500' +/- FOLLOWING THE DOWNSTREAM TAPER.

5. COVER ALL CONFLICTING SIGNAGE PER STANDARD SPEC 8-21.3(3). 8. ADD "TRUCKS LEAVING HIGHWAY" AND "TRUCKS ENTERING HIGHWAY" (W21-30, 48"x48", 5' HEIGHT) SIGNS 500' +/- PRIOR TO WHERE CONSTRUCTION VEHICLES FREQUENTLY EXIT AND ENTER INTO THE OPEN LANE(S).

EXISTING

SHOULDER

NOTE 7

36'

SPEED

LIMIT

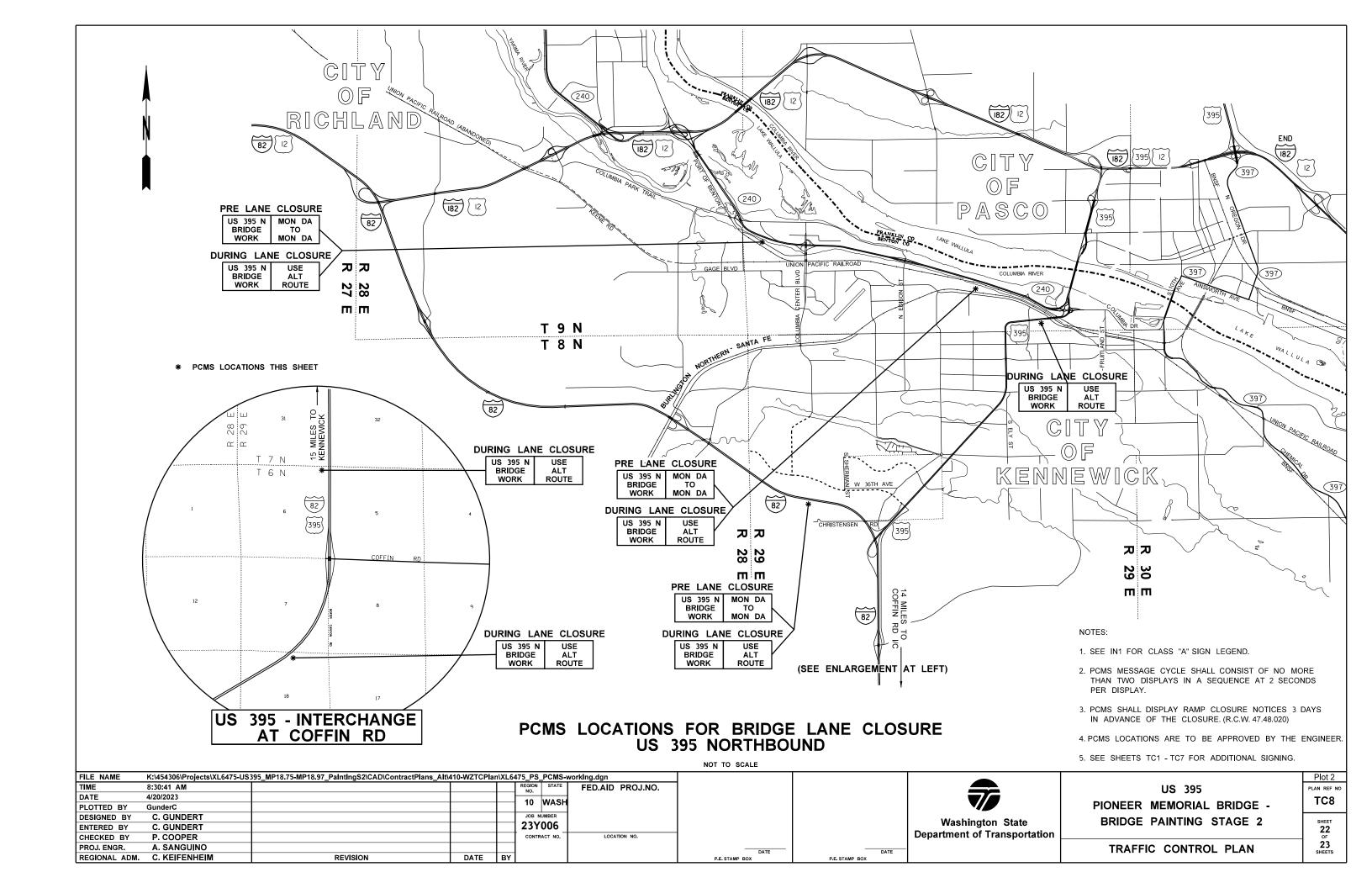
9. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.

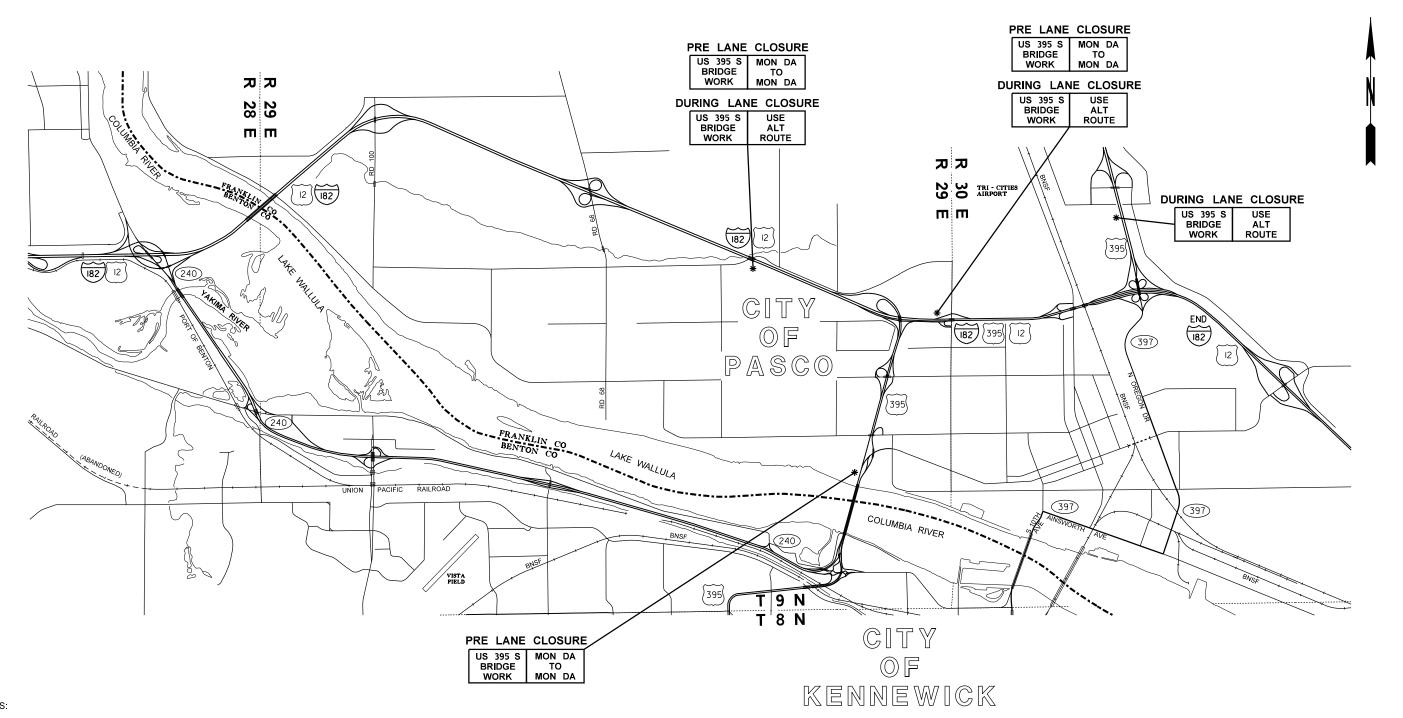
10. PLAN IS APPLICABLE TO LANE CLOSURES OF 3 DAYS OR LESS.

11. BICYCLES PROHIBITED THROUGH WORK ZONE; CONSIDER PROVIDING DETOUR, ALTERNATIVE ROUTE, OR SHUTTLE IN HIGH-USE LOCATIONS PERMITTING PERMANENT BICYCLE ACCESS.

SINGLE RIGHT LANE CLOSURE (40 MPH WORK ZONE SPEED LIMIT) NOT TO SCALE

FILE NAME	K:\454306\Projects\XL6475-US	395_MP18.75-MP18.97_PaintingS2\CAD\ContractPlans_Ait\	410-WZTCPla	n\XL6475_PS_TC.dgn						Plot 7
TIME	8:30:29 AM			REGION STATE	FED.AID PROJ.NO.				US 395	PLAN REF NO
DATE	4/20/2023			10 WASH						TC7
PLOTTED BY	GunderC			IU WASH					PIONEER MEMORIAL BRIDGE -	107
DESIGNED BY	C.GUNDERT			JOB NUMBER				Washington State	BRIDGE PAINTING STAGE 2	SHEET
ENTERED BY	C. GUNDERT			23Y006				j		21
CHECKED BY	P. COOPER			CONTRACT NO.	LOCATION NO.			Department of Transportation		OF OF
PROJ. ENGR.	A. SANGUINO					DATE	DATE		TRAFFIC CONTROL PLAN	23 SHEETS
REGIONAL ADM.	C. KEIFENHEIM	REVISION	DATE	BY		P.E. STAMP BOX	P.E. STAMP BOX			SILETS





NOTES:

- 1. SEE IN1 FOR CLASS "A" SIGN LEGEND.
- PCMS MESSAGE CYCLE SHALL CONSIST OF NO MORE THAN TWO DISPLAYS IN A SEQUENCE AT 2 SECONDS PER DISPLAY.
- 3. PCMS SHALL DISPLAY RAMP CLOSURE NOTICES 3 DAYS IN ADVANCE OF THE CLOSURE. (R.C.W. 47.48.020)
- 4. PCMS LOCATIONS ARE TO BE APPROVED BY THE ENGINEER.

5. SEE SHEETS TC1 - TC7 FOR ADDITIONAL SIGNING.

PCMS LOCATIONS FOR BRIDGE LANE CLOSURE US 395 SOUTHBOUND

* PCMS LOCATIONS THIS SHEET

NOT TO SCALE

K:\454306\Projects\XL6475-US395_MP18.75-MP18.97_PaintingS2\CAD\ContractPlans_Alt\410-WZTCPlan\XL6475_PS_PCMS-working.dgn FILE NAME Plot 3 TIME 8:30:41 AM FED.AID PROJ.NO. US 395 PLAN REF NO DATE 4/20/2023 TC9 10 WASH PIONEER MEMORIAL BRIDGE -PLOTTED BY GunderC JOB NUMBER DESIGNED BY C. GUNDERT **BRIDGE PAINTING STAGE 2** Washington State 23 23Y006 C. GUNDERT ENTERED BY Department of Transportation CHECKED BY P. COOPER CONTRACT NO. LOCATION NO. 23 SHEETS PROJ. ENGR. A. SANGUINO TRAFFIC CONTROL PLAN DATE DATE REGIONAL ADM. C. KEIFENHEIM REVISION DATE BY